

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/015027

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl.<sup>7</sup> H02K37/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl.<sup>7</sup> H02K37/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 8588/1991 (Laid-open No. 111282/1992) (Nippon Mini Motor Kabushiki Kaisha), 28 September, 1992 (28.09.92), Par No. [0008]; Fig. 1 (Family: none)	1, 2
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 198835/1986 (Laid-open No. 105487/1988) (Tokyo Electric Co., Ltd.), 08 July, 1988 (08.07.88), (Family: none)	1, 2

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
06 January, 2005 (06.01.05)Date of mailing of the international search report  
25 January, 2005 (25.01.05)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/015027

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 169955/1987 (Laid-open No. 76178/1989) (Tokyo Electric Co., Ltd.), 23 May, 1989 (23.05.89), Page 2, line 8 to page 4, line 9 (Family: none)	1,2
Y	JP 11-75359 A (Matsushita Electric Industrial Co., Ltd.), 16 March, 1999 (16.03.99), Page 3; Par No. [0003]; Fig. 8 (Family: none)	1,2
Y	JP 8-308167 A (Copal Co., Ltd.), 22 November, 1996 (22.11.96), & US 6317287 B1	1,2

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU 28. JUL. 2005

To:

SUZUKI, Hiroh  
SUZUKI INTERNATIONAL PATENT OFFICE  
Chanokiya Bldg.  
3-1, Nihonbashi-Honcho 2-chome  
Chuo-ku, Tokyo 103-0023  
Japan

Date of mailing (day/month/year) 20 July 2005 (20.07.2005)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference PCT-JP-040	
International application No. PCT/JP2004/015027	International filing date (day/month/year) 12 October 2004 (12.10.2004)

## 1. The following indications appeared on record concerning:

☒ the applicant      ☒ the inventor      ☐ the agent      ☐ the common representative

## Name and Address

MATSUSHITA, Kunitake  
YAMAWAKI, Takayuki  
NAGATA, Toshihiko  
c/o MINEBEA CO., LTD.  
Hamamatsu Manufacturing Unit  
1743-1, Asana, Fukuroi-shi,  
Shizuoka 437-1193  
Japan

## State of Nationality

JP

## State of Residence

JP

## Telephone No.

## Facsimile No.

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person      ☐ the name      ☐ the address      ☐ the nationality      ☐ the residence

## Name and Address

c/o MINEBEA CO., LTD.  
Hamamatsu Manufacturing Unit  
1743-1, Asana, Fukuroi-shi,  
Shizuoka 437-1193  
Japan

## State of Nationality

JP

## State of Residence

JP

## Telephone No.

## Facsimile No.

## Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

☒ the receiving Office      ☒ the designated Offices concerned  
☐ the International Searching Authority      ☐ the elected Offices concerned  
☐ the International Preliminary Examining Authority      ☐ other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 338.90.90

## Authorized officer

Lazar Joseph PANAKAL (Fax 338 9090)

Telephone No. (41-22) 338 9634